

3rd Grade Math example

1. Go to SAS website at <http://www.pdesas.org>. Log in.
2. Click on **Clear Standards** tab near the top of the page.
3. Click on **Vertical Viewer** tab which is the second tab.
 - a. Click on **2: Mathematics**.
 - b. Click on **Standard Area 2.1: Numbers, Number Systems, and Number Relationships**
 - c. Click on **See Grades 3-8** link on the left.
 - d. Select **2.1.3.C** *From here, you will be in the Standards Browse view.*
 - e. Click on **M3.A.1: Demonstrate an understanding of numbers, ways of representing numbers, relationships among numbers and number systems.**
 - f. *This will bring up the anchor descriptors for that Anchor.*
 - g. Select **M3.A.1.2: Use fractions to represent quantities as part of a whole or part of a set.**
 - h. Click on the **Materials and Resources** tab on the right of **M3.A.1.2.2: Create a drawing or set that represents a given fraction (numerators 1-9, denominators 2-10. No equivalent or improper fractions or mixed numbers).**
 - i. A new window will open and you will be in Materials & Resources and you will be seeing Search Results for the Eligible Content **M3.A.1.2.2: Create a drawing or set that represents a given fraction (numerators 1-9, denominators 2-10. No equivalent or improper fractions or mixed numbers).**
4. In **Materials and Resources**, you will be able to click on the Unit Plan and Individual Lesson plans that align to this eligible content.
 - a. Notice that the first item in the list of results is a unit plan followed by two related lesson plans and other content. *You may need to scroll down to see the entire list.*
 - The Unit Plan is: Fractions Describe Parts of a Whole
 - Lesson 1 is titled: Sharing Brownies: Fractions That Represent a Fair Share
 - Lesson 2 is titled: Fractions of a Set
 - b. Click on **Fractions of a Set**

- A complete lesson plan is found.
- Included are:
 - i. Standards, Anchors and Eligible Content
 - ii. Big Ideas, Concepts, Competencies, Vocabulary, Objectives, Essential Questions
 - iii. Duration, Materials, Procedures, Instructional Strategies
 - iv. Formative Assessments and Related Materials & Resources.
- c. Click on the back button to return to the **Materials and Resources** tab.

5. Click on the **Instruction** tab at the top of the page.

- a. Suggested assessment procedures such as Random Reporter are found in some lessons. An overview of this instructional strategy is found in the Digital Documents section of Instruction.
- b. Short videos showing effective instructional strategies are also available.

6. Click on **Curriculum Framework**.

- a. In the subject area select **Mathematics**.
- b. In the grade level area select 3rd grade.
- c. Click **Search**.
- d. You will see a list of Big Ideas. Click on the fourth Big Idea: **Numbers, measures, expressions, equations, and inequalities can represent mathematical situations and structures in many equivalent forms** to see related Essential Questions, Concepts, Competencies and Standards/Eligible Content. *You may need to scroll down to see the entire curriculum framework for this Big Idea.*
- e. *In the Standards/Eligible Content column, in the first row of the second concept, you will see the Standard that is the focus of this example (2.1.3.C). If you hover over the number with your mouse, you will see text for that eligible content.*
- f. Click on **2.1.3.C**. *This will take you to the Browse Standards view and you will see the standard and anchor related to this eligible content.*

7. Click on the **Fair Assessments** tab. *This page provides an overview of the four types of assessment.*

- a. Click on the **Assessment Builder** tab.
 - b. Enter the word **fraction** into the Keyword Search.
 - c. Hit **Search**.
 - d. There are many examples for different grade levels.
 - e. Under Select a Grade Level choose **3rd Grade** and hit **Search** below the Subject Area box. This will limit your results to the grade level of your choice.
 - f. Click on the **check boxes** for the questions you would like to use for your assessment. *When you click the check box, the top heading of the question will remain, but the question will be hidden.*
 - g. Scroll down to the bottom of the page. Click **Build Assessment**. *This page allows you to reorder the questions by using "Move Up" or "Move Down" in the upper right of the header for each question. **THIS IS THE STUDENT VERSION.***
 - h. *If you click on the **TEACHER VERSION** button and scroll down, you will see the questions and answers now.*
 - i. *The assessment can be **printed**, made into a **pdf**, **exported** to Word or **saved** to your ePortfolio from the buttons on top of the first assessment question.*
 - *If you save it to your ePortfolio, you can access it anywhere and anytime as long as you have Internet access.*
8. Finally, go to **Interventions**.
- a. Select the last item in the list, **The IRIS Center** (*this will open a link in a new window*).
 - b. Select the second icon from the left, **Resources**.
 - c. In the far left column labeled "Pick One"- select **Math**.
 - d. In the middle column select **"Info Briefs."** *This will populate the far right column.*
 - e. Click on **Differentiated Instruction for Math**. *This will open a pdf on a new window. This document gives an overview of Differentiated Instruction strategies and approaches for Mathematics instruction and could be used in conjunction with other resources, materials and lessons found in SAS.*